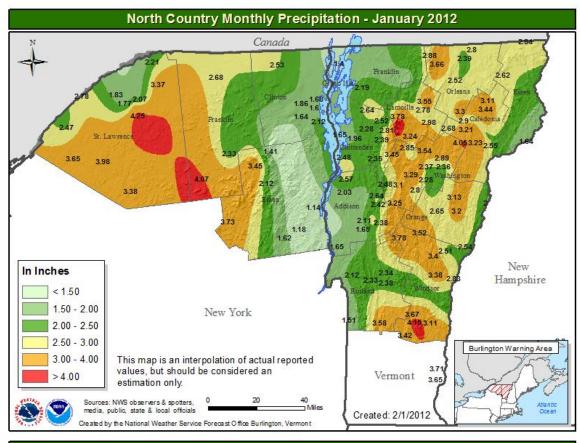
NWS Form E (04-2006) (PRES. BY NWS	-5 U.S. DEPARTMENT OF COMMERC NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIO nstruction 10-924) NATIONAL WEATHER SERVIC	N Durlington VT
MONTHL	Y REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH YEAR January 2012
TO:	Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283	SIGNATURE /s/ Gregory A. Hanson, SH WFO BTV  DATE February 2 2012
	oding occurs, include miscellaneous river conditions below the sma conditions, snow cover, droughts, and hydrologic products issued (I	, 5
An X inside this box indicates that no flooding occurred within this hydrologic service area.		

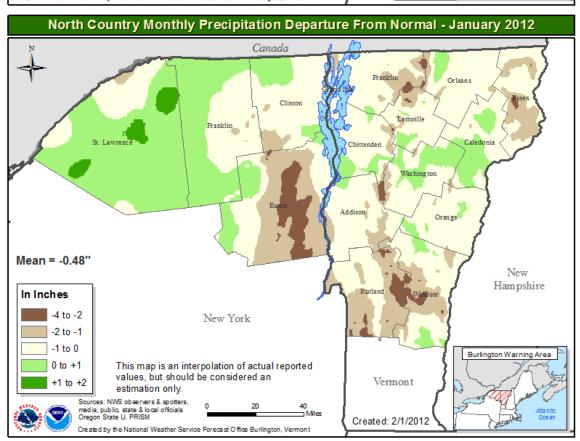
January was a mostly quiet month from a hydrologic standpoint, except for an isolated freeze-up ice jam flood incident in Malone New York around mid-month. Otherwise precipitation was near to below normal, and temperatures were above normal.

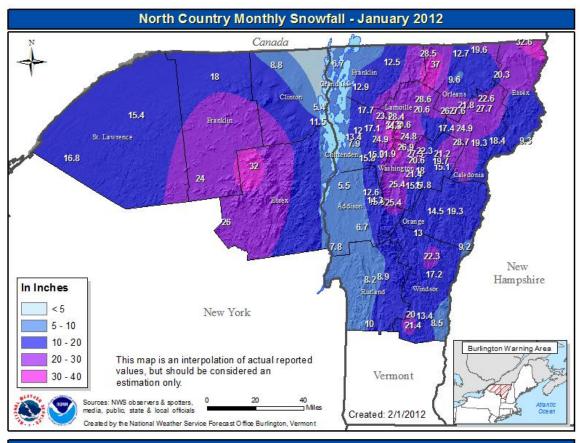
The weather pattern during January was characterized by the westerlies locked north of the Canadian border, with storm tracks passing north of the hydrologic service area and the region generally in the warm sector. Periodic intrusions of cold air on January 3, and longer duration January 14-16 caused the formation of frazil ice in area rivers as previously unfrozen rivers were exposed to frigid air temperatures. The Salmon River in Malone New York experienced a freeze-up ice jam on January 15 that stretched almost half a mile, surrounding 2 homes and threatening others. A channel opened in the jam on the 16<sup>th</sup> allowing water to flow through, and the return of warmer temperatures a few days later helped improve conditions.

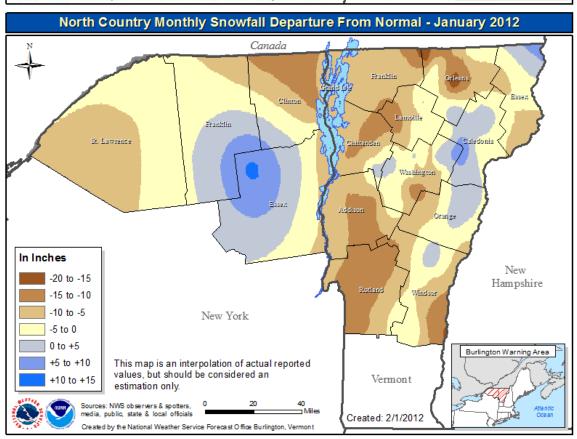
Otherwise during the month there were minor precipitation events with mixed precipitation ahead of fast moving low pressure systems, followed by cold fronts that spread light snowfall enhanced over westerly facing terrain.

River levels were stable near base flows most of the month except for minor rises late in the month. Above freezing temperatures generated runoff from snowmelt and rainfall on January 24-25 when a half to one inch of precipitation fell, and again on January 26-27 when a widespread 1 to 1.5 inches of precipitation fell, mostly in the form of rain or mixed precipitation. Rivers rose one to two feet in response, and crested on the 25<sup>th</sup> and again on the 27<sup>th</sup> and 28<sup>th</sup>.









## Significant River Crests July 2011 WFO Burlington VT

-none-